ZODIAC

BARACUDA®

The high performance option.

GENIUS 3000

New Age Technology For All Pool Surfaces

LONG-LIFE BARACUDA DIAPHRAGM

Instruction Manual

TOLL-FREE CUSTOMER CARE HOTLINE
0800 110 885
www.zodiac.co.za

WARNING! In terms of Section 2 of the Import and Export Control Act of 1989 (Act 45 of 1983), it is illegal to export automatic pool cleaners and parts thereof. Section 4 of the Act provides that anyone convicted of exporting automatic pool cleaners and parts thereof may be sentenced to a 10 (ten) year term of imprisonment and a fine of R40 000 (forty thousand Rand).

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Dear Customer,

Thank you for buying a BARACUDA® GENIUS® 3000. It is thanks to you that we have achieved our position as worldwide market leader.

No automatic pool cleaner equals your new BARACUDA® GENIUS® 3000 for performance, efficiency and reliability. Because of its simple New Age technology and unique design, your BARACUDA® GENIUS® 3000 is virtually maintenance-free.

- Your BARACUDA® GENIUS® 3000 has no moving parts to jam, wear, or come adrift. No nuts, bolts, screws, gears or wheels to corrode.
- Its innovative long-life cassette diaphragm system sucks up dirt, debris, bugs, leaves and even pebbles.
- Your BARACUDA® GENIUS® 3000 has a unique fluted disc that optimises the collection of all dirt, debris and leaves in your pool.
- Your BARACUDA® GENIUS® 3000 will quickly and quietly clean an average pool wall-to-wall, top-to-bottom in a normal filtration cycle (excluding steps and martini seats).
- In the event of requiring under-warranty repairs, please take your BARACUDA® GENIUS® 3000 to your closest Pool Shop or alternatively please phone our Customer Care Hotline 0800 110 885 and we will direct you to the BARACUDA® warranty agent nearest to you.

IT'S EASY TO INSTALL. JUST READ THE INSTRUCTIONS IN THE MANUAL CAREFULLY.

THE CONTENTS OF YOUR BARACUDA® GENIUS® 3000 BOX ARE AS FOLLOWS:

- One BARACUDA® GENIUS® 3000 Head
- Eight Baracuda Long Life Hose Sections (not In Head)
- One Auto Weir Valve
- One Hose Protection Mesh (not In Head)
- One Warranty Card
- One Instruction Manual
- One Finned, Fluted Disc (in Head Only unit to be fitted by customer – see Section 1 on page 2, Step 2).

This pool cleaner is covered by one or more of the following patents: 84/10036,86/1841,86/6841 Des 94/0843, Des 94/0844. 94/0845, Des 94/4756 and Des 98/0111.

BARACUDA® is a Registered Trade Mark.

Genius® is a Registered Trade Mark.

Specifications and equipment subject to change without prior notice.

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SECTION 1 – INSTALLATION

STEP 1: Preparing your pool and filtration system

IMPORTANT

The filtration system must be operating at its MAXIMUM WATER FLOW before you install your BARACUDA® GENIUS® 3000, otherwise you will have to re-adjust your BARACUDA® GENIUS® 3000 after cleaning the pool filter.

Installation is easy if you follow these simple preliminary steps:

1. Empty the weir basket.
2. Clean the pump basket.
3. Backwash the filter until the sight glass is clear.
4. Adjust all return jets (whether your pool has one, two or more) to point downwards and towards each other so that you DO NOT see a circular water flow or waves on the surface of your pool.

STEP 2: Assembling the disc to your Genius® 3000

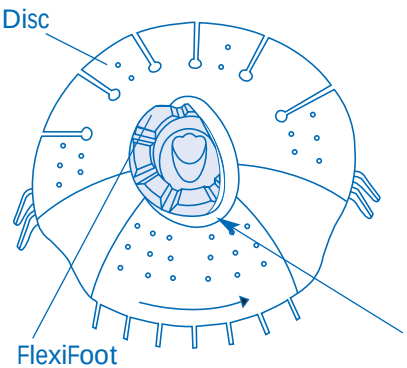


Diagram 1

1. Viewed from underneath the unit, the fins on the Disc should point downwards and the words Baracuda and the Zodiac logo should not be visible.
2. Beginning at one corner of the flat front section of the FlexiFoot, stretch the Disc around to the other corner, until the disc is held in place by the FlexiFoot.

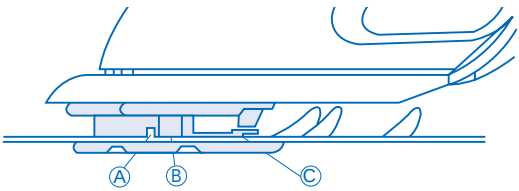


Diagram 2

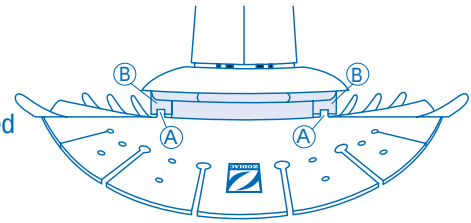
(Viewed from side)

2. Position the Disc underneath the Disc retaining Lug (C)

Diagram 3

(Viewed from front)

3. Ensure both the Disc Pillars (A) are located in front of the Stop blocks (B)



NB: The Disc must <u>not</u> rotate more than ± 4 mm once it has been installed.

STEP 3: Assembling the Hoses

1. Always insert the male hose cuff into the female cuff. Hoses must connect fairly tightly. The ideal length of hose is from the weir to the furthest point of the pool plus one extra section of hose. If the weir is opposite the steps, use lowest step as furthest point (See Diagrams 4 and 5). To ensure the best performance from your BARACUDA® GENIUS® 3000, please ensure only genuine BARACUDA® long life hoses are used.

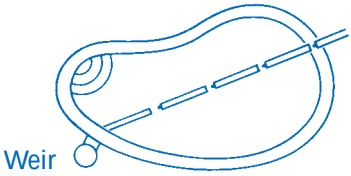


Diagram 4: Ideal Hose length

2. Attach your BARACUDA® GENIUS® 3000 to the male end (smaller side) of the assembled hose.

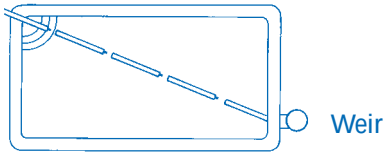


Diagram 5: Ideal Hose Length

3. Fit the Hose Protection Mesh over the cuff of the hose to help prevent the hose from wearing at the weir. Position the protection mesh so that ±10 cm is exposed outside the weir.

4. Bleed all the air from the hose by placing one end over the return jet – thus filling the hose length with water.

5. Keeping the hose-ends underwater, move it from the return line to the weir and connect the female cuff to the Auto Weir Valve. Ensure that the Auto Weir Valve is firmly attached to the hose (See Diagram 6).

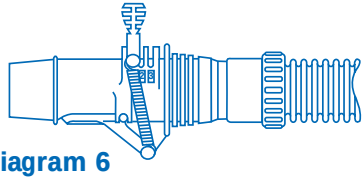


Diagram 6

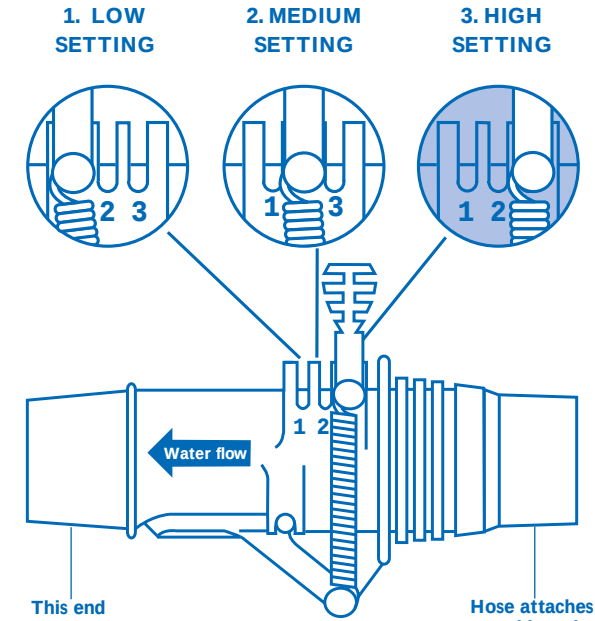
NOTE: To obtain maximum diaphragm efficiency, please ensure a genuine BARACUDA® Auto Weir Valve is used.

ADJUSTMENT SUGGESTIONS

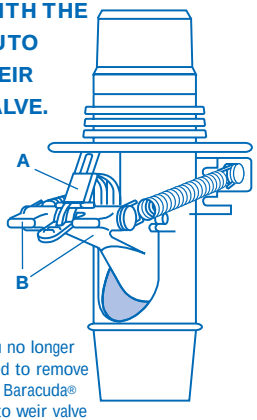
AUTO WEIR VALVE

The Baracuda® Auto Weir Valve is preset at the factory to obtain maximum pool cleaning efficiency. Your Baracuda® Genius is preset on setting 3. However, if you do experience difficulties, it can be manually adjusted to one of the three settings (high, medium or low). You will only need to adjust the Auto Weir Valve if the following occurs:

PROBLEM	SOLUTION
The Baracuda® Genius® 3000 pool cleaner is performing too fast and/or climbing above the level of the water.	Reduce Auto Weir Valve to medium or low setting
The Baracuda® Genius® 3000 pool cleaner is performing slowly and/or is not climbing the pool walls.	Increase Auto Weir Valve to medium or high setting



TURNING YOUR BARACUDA® GENIUS OFF IS MADE EASY WITH THE AUTO WEIR VALVE.



You no longer need to remove the Baracuda® Auto weir valve from the weir.

Simply depress the red pivoted arm (A), until it locks open the flow door.

To recommence pool cleaner operation, release the pivoted arm (A) by pressing down on the flow door (B). It's that simple!

ADJUSTMENT SUGGESTIONS

CORRECT BALANCING

Proper balancing must be accomplished in the DEEPEST area of the pool. The buoyancy of the hose tends to LIFT the BARACUDA® GENIUS® 3000 especially in deeper water. The hose weight is utilized to help neutralise the buoyant effect of the hose. Although usually not required, if a hose weight is needed, please contact BARACUDA® on 0800 110 885 whereby we will supply a hose weight at no charge.

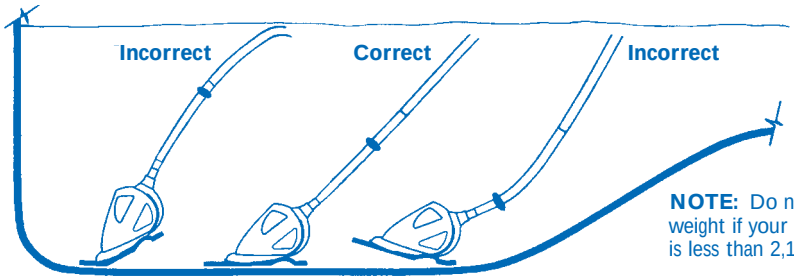


Diagram 7: Positioning of the hose weight (if required)

POOL COVERAGE

Normally it is undesirable for the return line water flow to affect the natural movement of your BARACUDA® hose. However, the return line pressure can be used to balance cleaning coverage or to guide the cleaner away from steps and corners.

A return line located anywhere along the shaded area can be utilised to gently push the hose, allowing your BARACUDA® GENIUS® 3000 to free itself from in-pool obstacles (Diagram 8).

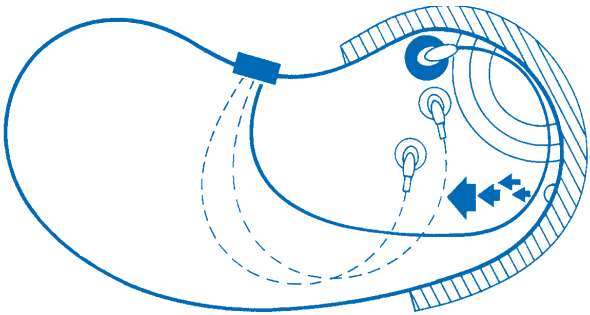


Diagram 8

SECTION 3 – QUICK RELEASE CASSETTE SYSTEM

The BARACUDA® GENIUS® 3000 has a long life diaphragm and a Quick Release Cassette System. This unique feature allows almost instantaneous access to the diaphragm.

Large foreign objects, such as children's toys, tree branches and rocks, should be removed manually from your pool prior to operating an automatic pool cleaner. In the event of a blockage occuring, the Quick Release Cassette System allows you the opportunity to remove the blockage or check the diaphragm for damage in seconds at the poolside.

The Quick Release Cassette System also allows you to reset the diaphragm which may also resolve performance problems such as: running and stopping, coverage problems and/or your Baracuda® Genius® 3000 not climbing the pool walls.

STEP 1: Procedure to Remove Diaphragm

Hold the BARACUDA® GENIUS® 3000 with one hand and unscrew the cassette swivel nut ± **3 TURNS** anticlockwise (Figure 1).

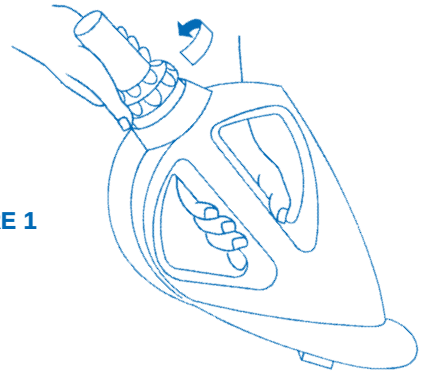


FIGURE 1

Pull the cassette system from the BARACUDA® GENIUS® 3000 body (Figure 2).

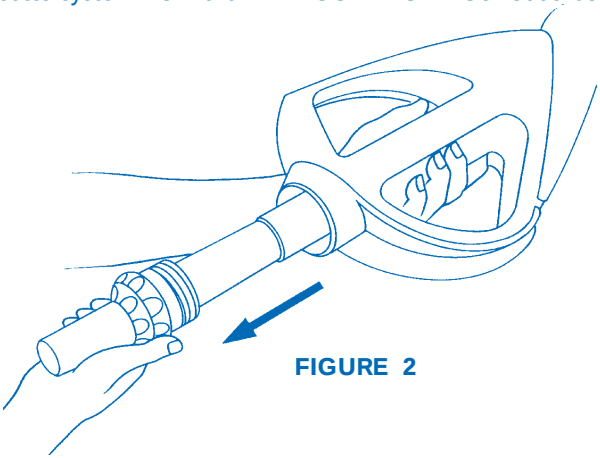


FIGURE 2

STEP 2: Removal of Diaphragm

Grasp the extension pipe in one hand and unscrew the cassette ± 2 TURNS anti-clockwise (Figure 3).

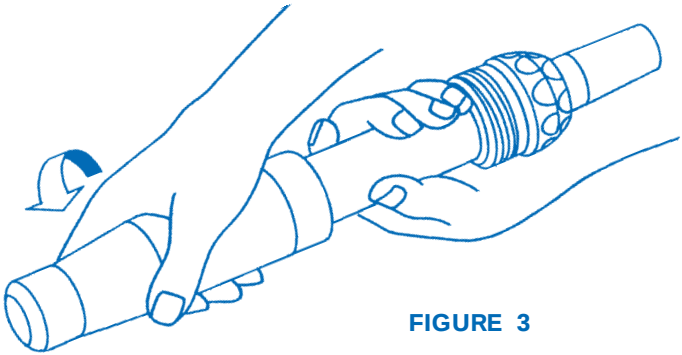


FIGURE 3

Grasp the rim of the diaphragm and pull the diaphragm assembly out of the cassette (Figure 4).

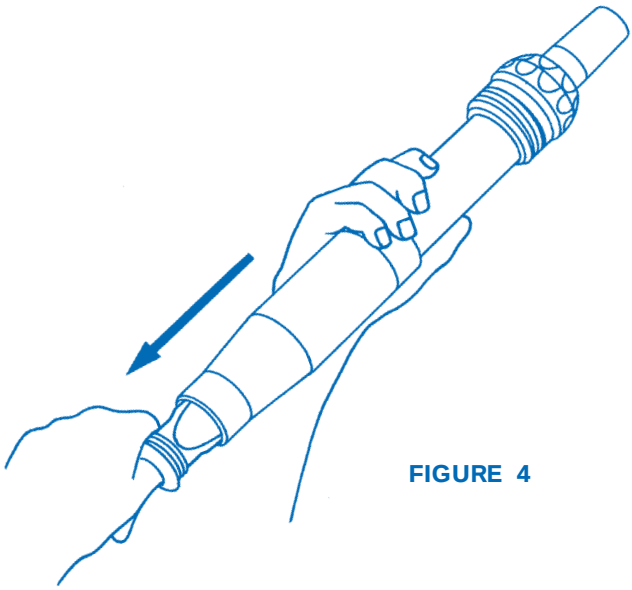


FIGURE 4

Remove the diaphragm from the inner extension pipe (Figure 5), leaving the retaining ring on the diaphragm.

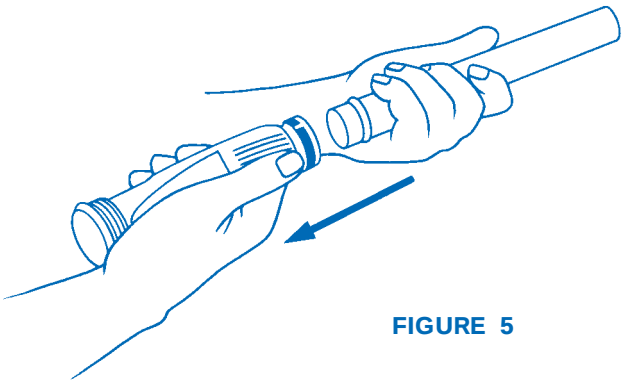


FIGURE 5

STEP 3: Examination

Inspect the diaphragm for a blockage or any damage. Even small holes will compromise its operation. If any damage is evident, i.e. a cut or hole on the sides of the diaphragm, replace it.

If there is a blockage, carefully remove it. If this can't be done, a garden hose may be used to flush the obstacle through. Do not use any sharp objects to probe or push an obstruction as this may damage the diaphragm.

STEP 4: Diaphragm Assembly

Prior to re-installing the diaphragm, rinse the diaphragm and the inner extension pipe thoroughly to remove any grit. Attach the diaphragm to the inner extension pipe (Figure 6). Slide the top of the inner extension pipe (the end which is opposite the diaphragm) into the body.

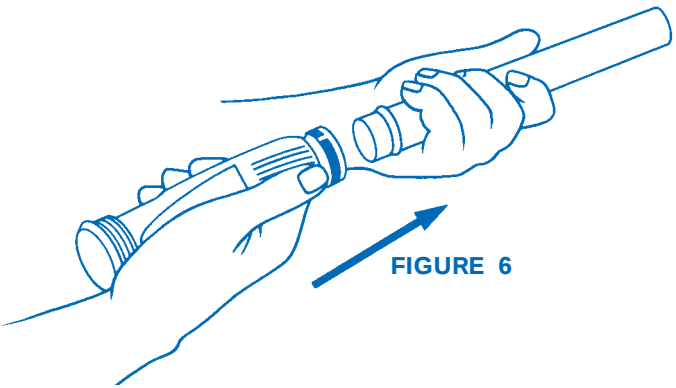


FIGURE 6

Pressing on the underside of the diaphragm's ridges, push the diaphragm into the cassette body (Figure 7).

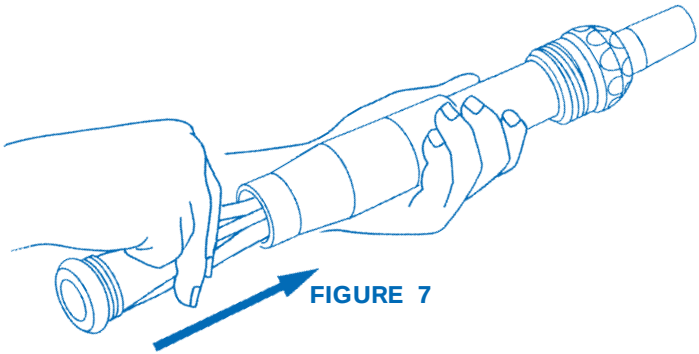


FIGURE 7

The diaphragm should fit flush against the cassette body.

STEP 5: Resetting the Diaphragm

If the gap of the throat/diaphragm is excessive (more than 5mm), yet the diaphragm is not torn or damaged, it can be reset by leaving one ridge on the diaphragm exposed from the cassette body (Figure 8). This may resolve performance-related problems such as: running and stopping, coverage problems and/or your BARACUDA® GENIUS® 3000 not climbing walls.

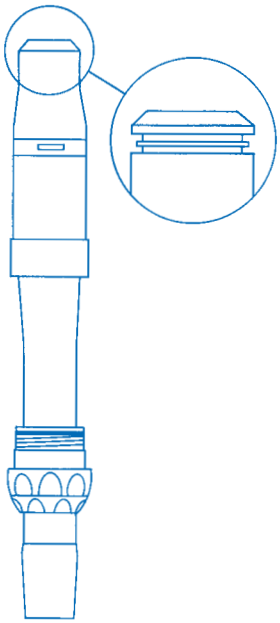


FIGURE 8

Hold the cassette and tighten the extension pipe by turning it clockwise (Figure 9). Do not overtighten.

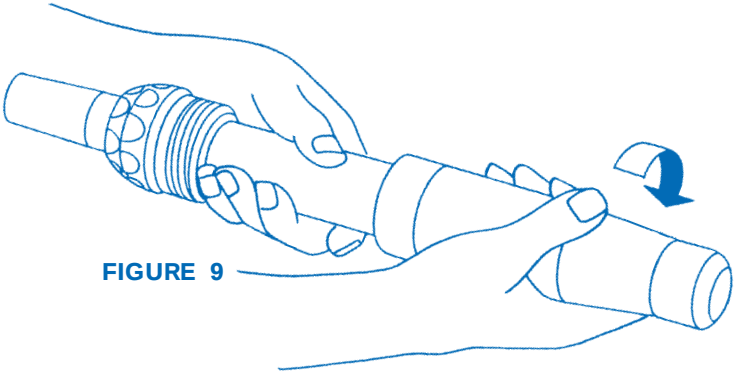
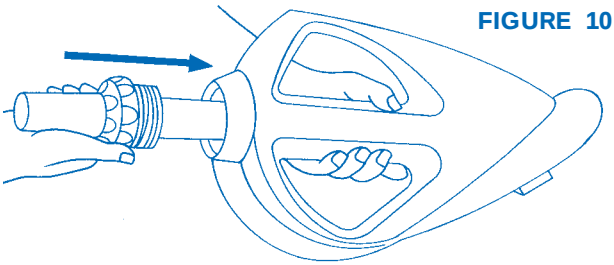


FIGURE 9

STEP 6: Cassette Reassembly

Re-insert the assembled cassette unit into the BARACUDA® GENIUS® 3000 body (Figure 10) and tighten the cassette swivel nut ± **3 TURNS** clockwise until handnut is flush with the bumper fin (Figure 11).

FIGURE 10



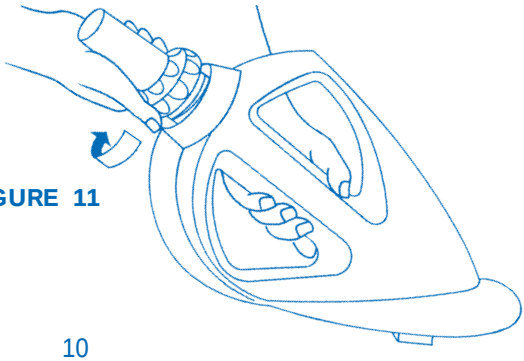


FIGURE 11

SECTION 4 – HOW TO KEEP YOUR BARACUDA® GENIUS® 3000 HAPPY

However good an automatic pool cleaner is, remember that it was developed to assist you with the maintenance of your swimming pool. From time to time it will need a little assistance from you. Here's what you can do to help:

1. Weir basket, pump strainer basket, cartridge filter, skim filter, sand filter (whichever is applicable) should be thoroughly cleaned on a regular basis to ensure optimum pool cleaner efficiency.

N.B. ALWAYS disconnect the hose from the weir or vacuum line BEFORE backwashing your filter.

2. Always store your BARACUDA® Long Life Hose in a straight line – never coil or leave hose coiled in sun.
3. Periodically inspect parts for wear. The FlexiFoot, disc and bumper fin are the most critical. As the disc wears, it begins to curl at the outer edges. When the depth of the channels between the treads on the FlexiFoot are 3 mm or less, replace the FlexiFoot.
4. In the event of an object becoming stuck in the diaphragm, clear it quickly and easily by following the simple instructions laid out for diaphragm maintenance under Section 3 – Quick Release Cassette System.
5. To maintain optimum performance from your BARACUDA® GENIUS® 3000, we recommend that your cassette diaphragm is reset when required. (See Section 3: Quick Release Cassette System, page 9, step 5.)

IMPORTANT

Sunlight (ultraviolet rays), water and swimming pool chemicals can take their toll on your automatic pool cleaner. To extend the lifespan of your BARACUDA® GENIUS® 3000 and hose:

1. Ensure that your pH is at the recommended levels as per the table below at all times as recommended. A low pH is detrimental to most types of plastics and rubbers and will seriously damage your Automatic Pool Cleaner.
2. Remove your BARACUDA® GENIUS® 3000 from the pool before chemical shock treatment and re-install it after a minimum of four hours.

RECOMMENDED WATER BALANCE

Chlorine:
1,0 – 1,5 ppm

pH Level:
pH Fibreglass: 7,0 – 7,2 pH Marbelite: 7,2 – 7,6

Total Alkalinity:
80 – 120 ppm

NOTE: Due to the harsh environment in which your pool cleaner operates, your BARACUDA® GENIUS® 3000 may discolour during normal use over a period of time. This, however, will not affect the cleaning performance of your unit.

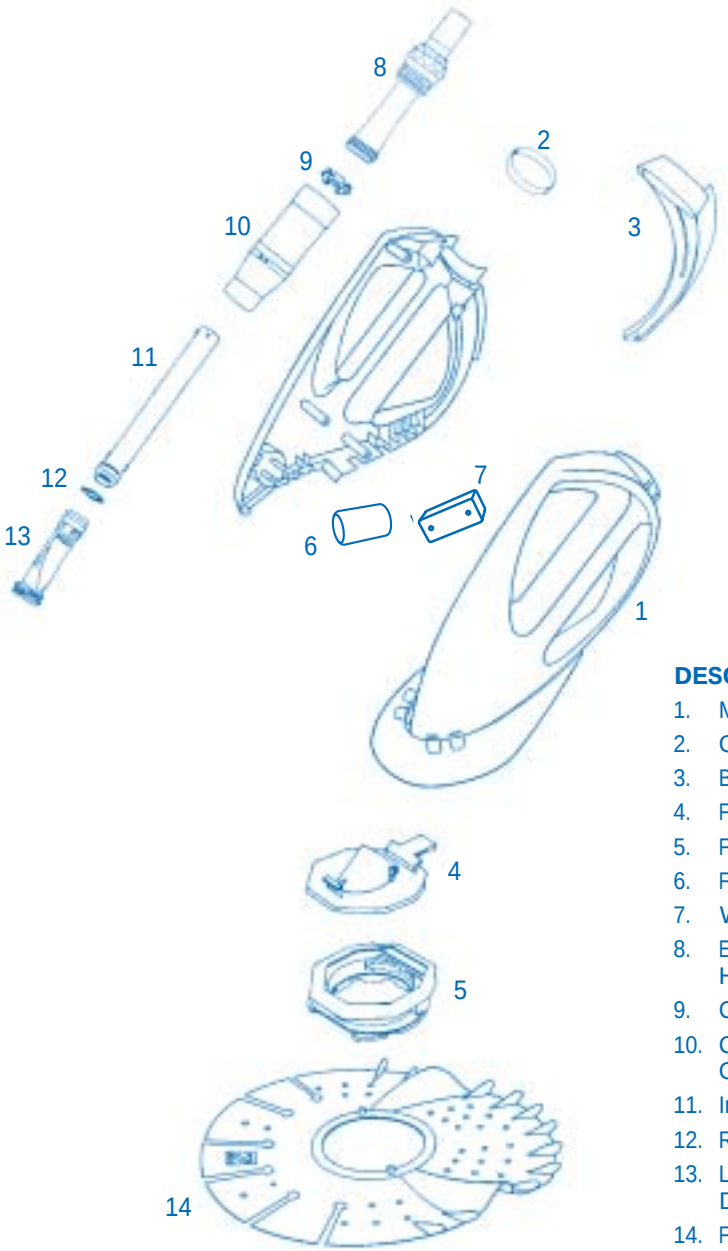
SECTION 5 – PROBLEM SOLVING

PROBLEMS	CHECKS	SOLUTIONS
The BARACUDA® GENIUS® 3000 works slowly, runs then stops, or not at all.	Is the filter clean?	Backwash and rinse the filter thoroughly.
	Are the baskets clean?	Remove baskets, clean thoroughly (Baskets must be in good condition).
	Is the vacuum lid sitting flush in the weir?	Remove and re-install.
	Is vacuum lid damaged?	Replace vacuum lid.
	Is the Auto Weir Valve and the hose secure?	Make sure that the connections are sealed.
	Is the Diaphragm operational or does it need adjusting?	Refer Section 3 (Quick Release Cassette System page 6-10).
The BARACUDA® GENIUS® 3000 is working slowly and air bubbles are noticable at the return jet.	Is there a leak in the system?	Possible problem areas: • Possible leak at pump lid. • Check the pump lid o-ring. • Possible leak in the hose.
	Is the Auto Weir Valve below water level?	Check level of water.
The BARACUDA® GENIUS® 3000 is sticking in corners or at the steps.		Use the return flow jet to push hose away from steps. (Refer to “Pool Coverage” page 5).
	Check hose length (Refer Section1 page 3).	Shorten the hose so that it does not reach the steps.
		Install a wheel deflector kit.

SECTION 5 – PROBLEM SOLVING

PROBLEMS	CHECKS	SOLUTIONS
The BARACUDA® GENIUS® 3000 does not reach the shallow end of the pool or moves in a fixed pattern.	Is the hose long enough?	Add more sections of hose.
	Is the hose affected by the return flow?	Adjust the return outlet towards the bottom of the pool to make sure that the jet of water does not influence the direction of the BARACUDA® GENIUS® 3000 hose.
	Are the hose lengths straight?	Make sure that the hose lengths are in good condition. Never roll up/coil hoses.
The BARACUDA® GENIUS® 3000 climbs above the water level.	Is there too much suction?	Check that the Auto Weir Valve is not blocked by leaves and preventing the water from flowing through the Auto Weir Valve.
		Adjust Auto Weir Valve setting (Refer to correct settings page 4)
The BARACUDA® GENIUS® 3000 does not climb the walls easily.	Is there sufficient suction?	Make sure the filter is clean.
		Adjust Auto Weir Valve setting (Refer to correct settings page 4)
The BARACUDA® GENIUS® 3000 falls on its one side.	Is the float damaged?	Return to your nearest BARACUDA® GENIUS® 3000 to your Dealer for checking.
	Is the cassette unit swivelling freely?	Remove cassette unit from main body and rinse both to flush out debris.
	Is the hose weight attached?	Remove the hose weight.

EXPLODED DIAGRAM – GENIUS 3000



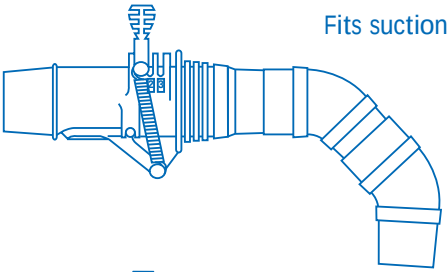
DESCRIPTION

1. Main Body with Apron
2. Collar
3. Bumper Fin
4. Foot Flange
5. Flexi Foot
6. Float
7. Weight
8. Extension Pipe with Hand-nut
9. Compression Ring
10. Cassette Diaphragm Chamber
11. Inner Extension Pipe
12. Retaining Ring
13. Long Life Cassette Diaphragm
14. Finned, Fluted Disc

SECTION 7 – OPTIONAL ACCESSORIES

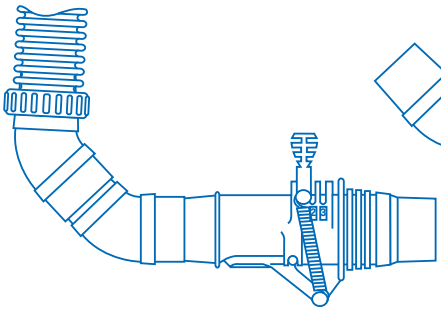
1. WEIR ADAPTOR

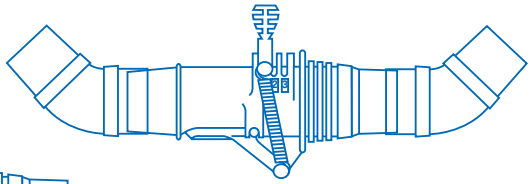
Fits suction inlets from 40 to 60 mm.



2. WEIR COMBINATIONS

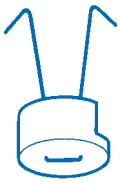
Auto weir valve and weir elbows illustrating some of the different combinations that can be used.

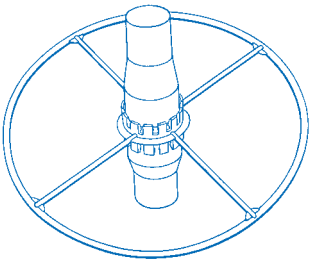




3. AIM FLOW DIVERTER

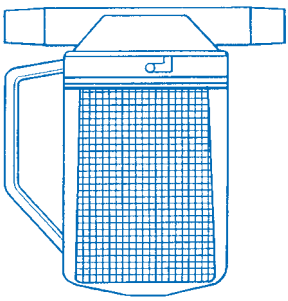
To allow pool cleaner to clean close to return flow.





4. WHEEL DEFLECTOR KIT

If unit sticks in difficult corners eg. steps.



5. IN-LINE LEAF EATER™

An in-line filter which collects all leaves, seeds, twigs and grit before they reach the weir. Connects in-line with the hoses.

NOTES

SECTION 8 – AT YOUR SERVICE

If you are having a problem you cannot solve, mail or fax us the following information, along with a sketch of your pool shape, indicating the location of all weirs, vacuum lines, inlets, stairs, ladders, spas, waterfalls, etc., or other significant features. Briefly describe the problem.

(Send a photocopy and retain this page for future use.)

Mail to: Baracuda South Africa, Private Bag X127, Halfway House 1685, or
Fax to: (011) 314-5225

Your Name _____ Tel. No. _____

Postal Address _____

_____ Code _____

Serial No _____ Purchased from _____ Purchase Date _____

Pool Surface (Tick one): Plaster ☐ Vinyl ☐ Fibreglass ☐

Other _____

Pool Size (L) _____ Pump Size _____

Type of Filter (Tick one): Sand ☐ D.E. ☐ Cartridge ☐

Filter Size (or Model No.) _____

Briefly describe the problem: _____

_____

_____

_____

TOLL-FREE CUSTOMER CARE HOTLINE 0800 110 885
www.baracuda.zodiac.co.za

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GENIUS 3000

New Age Technology For All Pool Surfaces

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Instruction Manual

TOLL-FREE CUSTOMER CARE HOTLINE
0800 110 885
www.zodiac.co.za

WARNING! In terms of Section 2 of the Import and Export Control Act of 1989 (Act 45 of 1983), it is illegal to export automatic pool cleaners and parts thereof. Section 4 of the Act provides that anyone convicted of exporting automatic pool cleaners and parts thereof may be sentenced to a 10 (ten) year term of imprisonment and a fine of R40 000 (forty thousand Rand).

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